

Customer No.: 31561
Application No: 10/604,129
Docket No.: 10963-US-PA

AMENDMENT

In the Claims:

Please amend the claims according to the following listing of claims and substitute it for all prior versions and listings of claims in the application.

1. (currently amended) A panel carrier, at least comprising:

a box, wherein ~~the~~ interior lateral surfaces of the box have a plurality of cannellures and ~~the~~ an interior of the box further comprises a bottom surface with cannellures thereon; and

a plurality of attaching elements, wherein ~~the~~ two ends of each attaching element are inserted into any of the corresponding cannellures on the two opposing interior lateral surfaces to partition the interior of the box into compartments of various sizes for accommodating panels of various sizes concurrently.

2. (cancelled)

3. (previously presented) The panel carrier of claim 1, wherein the cannellures have a saw-tooth-like profile.

4. (previously presented) The panel carrier of claim 3, wherein each attaching element has a saw-tooth-like profile that matches the saw-tooth-like cannellures on the interior surface of the box.

5. (currently amended) The panel carrier of claim 1, wherein the interior lateral surfaces of the box furthermore comprises a plurality of dovetail grooves.

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6. (currently amended) The panel carrier of claim 5, wherein one of the lateral surfaces of the attaching elements has a plurality of clamping sections for engaging with the corresponding dovetail grooves in the interior of the box.

7. (previously presented) The panel carrier of claim 6, wherein the clamping section comprises a crow-footed base.

8. (currently amended) The panel carrier of claim 1, wherein the two lateral surfaces of the attaching elements have a plurality of protruding edges such that any pair of the neighboring protruding edges constitutes a slot for accommodating a panel.

9. (previously presented) A panel carrier at least comprising:

a box, wherein interior lateral surfaces of the box have a plurality of cannelures; and
a plurality of attaching elements, wherein two ends of each attaching element are inserted into any of the corresponding cannelures of the two opposing interior lateral surfaces, and one of the lateral surfaces of the attaching elements has a plurality of protruding edges such that any pair of the neighboring protruding edges constitutes a slot for accommodating a panel.

10. (currently amended) The panel carrier of claim 9, wherein the other lateral surface of the attaching elements has a plurality of clamping sections for engaging with the corresponding cannelures on the interior surfaces of the box.

11. (previously presented) The panel carrier of claim 1, wherein the box is fabricated using a material harder than the attaching elements.

12. (new) A panel carrier at least comprising:

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a box, wherein interior surfaces of the box comprises a plurality of lateral surface
cannelures and a plurality of bottom cannelures; and

a plurality of attaching elements inserted into some of the corresponding lateral surface
cannelures on two opposing interior lateral surfaces and disposed vertically to the bottom
cannelures, wherein panels are inserted between two attaching elements and into some of the
bottom cannelures.

13. (new) The panel carrier of claim 12, wherein two lateral surfaces of the attaching
elements have a plurality of protruding edges such that any pair of the neighboring protruding
edges constitutes a slot for accommodating a panel.

14. (new) The panel carrier of claim 12, wherein the cannelures have a saw-tooth-like
profile.

15. (new) The panel carrier of claim 14, wherein each attaching element has a saw-tooth-
like profile that matches the saw-tooth-like cannelures on the interior surface of the box.

16. (new) The panel carrier of claim 12, wherein the interior lateral surfaces of the box
furthermore comprise a plurality of dovetail grooves.

17. (new) The panel carrier of claim 16, wherein one of the lateral surfaces of the
attaching elements has a plurality of clamping sections for engaging with the corresponding
dovetail grooves in the interior of the box.